



FIGURE 1A

SEQ ID NO: 37 MW-----LLLTAA SVISTLGTTHGLFGKLHPTNPEVTMNI SQMITYWGYP AE \*\*  
SEQ ID NO: 38 MWR-----FAVFLAAFFVQDVVSGHG-----DPELHMTTPQIIERWGY PAM +  
SEQ ID NO: 14 MAMAGHAPGGALPL-ILLVSCCGRI VSGASPA AALRRVSGSGGLCDQLLLPLGYPCT +  
SEQ ID NO: 18 MALLGLMSFAALTFLFLVLT-----VPRQAHASSRGNLGRNINPSVYGICASSVIVHGYK CQ  
SEQ ID NO: 20 MRIQRFLATLAI TVSILLGNPNVQCFDGGSHQKQH-----SLCEE LIIPYGYPCS \*\*  
1 60

SEQ ID NO: 37 EYEVVTE DGYILGIDRIPYGRKNSE-NIGRR-PVAFLQHGLLLASATNWI SNLPNNSLAFI +  
SEQ ID NO: 38 IYTVATDDGYILEMHRIPFGKTNVTPNGKR-PVVFMQHG LLLCASSDWVNLPDQ SAGFL +  
SEQ ID NO: 14 EHNVE TKDGFLLSLQHIPHGKN---KAADSTGPPVFLQHGLFQGGDTWFINSAEQSLGYI +  
SEQ ID NO: 18 EHEVTTDDGYILSLQRIPEGRG-KSSGSGTRKQPVVIQHGVLVDGMTWLLNPPEQDLPLI +  
SEQ ID NO: 20 EHTIQTKDGLLGLQRVSSSSSLRLRNHGDGPPVLLLLHGLFMAGDAWFLNTPEQSLGFI 120  
61

SEQ ID NO: 37 LADAGYDVWLGN SRGNTWARRNLYSPDSVEFWAFSFEDEMAKYDLPATIDFILKKTGQDK \*  
SEQ ID NO: 38 FADAGFDVWLGNMRGNTYSMKHKDLKPSHSAFWDWSDEMATYDLNAMINH VLEVTGQDS +  
SEQ ID NO: 14 LADNGFDVWIGNVRGTRWSKGHSTFSVHDKL FWDWSWQELAEYD LLLAMLGYVYTVTQS-K  
SEQ ID NO: 18 LADNGFDVWIANTRGTRYSRRHISLDPSSQAYWNWSWDELVS YDFPAVFNYVFSQTGQ-K  
SEQ ID NO: 20 LADHGFDVWVGNVRGTRWSHGHSILLEKKKQFWDWSWQELALYDVAEMIN YINSVTNS-K  
121 180



FIGURE 1B

SEQ ID NO: 37	LHYVGHSGTTIGFIAFSTNP--KLAKRIKTFYALAPVATVKYTTETLLNKLMLVPSFLFKL	+	***	**	++	+	+++*	*	++
SEQ ID NO: 38	VYYMGHSQGLTTFMSHLSKDDGSFAKKIKFFALAPIGSVKHIKGFSL---FFANY-FSL								
SEQ ID NO: 14	ILYVGHSGTIMGLAALTM--PEIVKMISAAALCPISYLDHVSASFV-LRAVAMHLDQM								
SEQ ID NO: 18	INYVGHSLGTLVALASFSE--GKLVTLKSAALLSPIAYLSHMNTALG-VVAPKSFVGEI								
SEQ ID NO: 20	IFVVGHSQGTIISLAAFTQ--PEIVEKVEAAALLSPIYLDHVSAPLV-LRMVVKMHIDEM								
									240

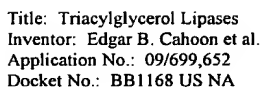
181

SEQ ID NO: 37	-----IFGNKIFYPHHFFDQFLATEVCSRETVDL-LCSNALFIICGFDTMNLNMSRLD	*	+	++	*	*	++	++	*
SEQ ID NO: 38	EFDGWFDIFGAGEFLPNWAMKLAAKDICGGLKVEADLCDNVFLIAGPESDQWNQTRVP								
SEQ ID NO: 14	LV-----TMGIHQNLFRSDMGVQIVDSLCDGEHVD---CNNLLSAITGENC-CFNTSRID								
SEQ ID NO: 18	TT-----LFGLAEFNPKGLAVDAFLKSLCAHPGID---CYDLLTALTGKNC-CLNSSTVD								
SEQ ID NO: 20	IL-----TMGIHQNLNFKSEWGASLLVSLCDT-RLS---CNDMLSSITGKNC-CFNESRVE								
									300

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SEQ ID NO: 37	VYLSHNPAGTSVQNVLHWSQAVKSGKFQAFDWSGSPVQNMHHYHQSMPPYYNLTDHVPPIA	++	*	++	*	+	+	*	++	+	++
SEQ ID NO: 38	VYATHDPAGTSTQNIHVHMVMVHHGGVPAYDWGCTKNKK-YGQANPPFYDFTAIGTKI										
SEQ ID NO: 14	YYLEYEPHPSSTKNLHHLFQMIRKGTFAKYDYGLLG-NLRRYGHLLRPPAFDLSSIPESLP										
SEQ ID NO: 18	LFLMNEPQSTSTKNMVHLLAQTVRLGALTGFNYVRPDYNIMHYGEIFPPIYNLSNIPHDLP										
SEQ ID NO: 20	FYLEQEHPHPSSTKNLNLHLFQMIRKGTYSKYDYGKLLK-NLIEYKGFNPFPFDLSRIPKSLP										
											360

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# FIGURE 1C

[illegible]

SEQ	ID NO: 37	SMMGTD----	NK
SEQ	ID NO: 38	KLCTDD--	YL GK
SEQ	ID NO: 14	RFLRENGWHNSY	
SEQ	ID NO: 18	SFFNHQ----	V
SEQ	ID NO: 20	SFFKSSGKFSSM	
		421	433